THE RELATIONSHIP BETWEEN THE QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION - PROGRAMME QUALIFICATIONS - BASIC FIELD QUALIFICATIONS

Basic Field Qualifications (Engineering- Level 6)		**PROGRAM QUALIFICATIONS**										**Qualifications Framework for Higher Education in Turkey (**Level 6**)**	
		1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**		
KNOWLEDGE	1. Possess theory and practice in the field of mathematics, science and engineering disciplines.	x x	x x	x		x						1. Possess advanced level theoretical and practical knowledge supported by textbooks with updated information, practice equipments and other resources.	KNOWLEDGE
SKILLS	1.Use mathematics, science and theoretical and applied knowledge within the field to solve engineering problems.	x x	x x	x x								1. Use of advanced theoretical and practical knowledge within the field.	SKILLS
	2. Determine, identify, define and model engineering problems; select and apply appropriate analytical methods and modeling techniques.	x x	x x	x x	x	x x						2. Interpret and evaluate data, define and analyze problems, develop solutions based on research and proofs by using acquired advanced knowledge and skills within the field.	
	3. Design a system, a component or a process under restrictions subject to realistic requirements; apply modern design methods for this purpose..		x	x	x	x							
	4. Select and use modern techniques and tools for engineering applications.						x						
	5. Design and conduct experiment, collect, analyze and interpret data.				x								

COMPETENCIES	Work and responsibiliy receivable													Independent Working and responsibiliy	COMPETENCIES
			x					x x					1. Conduct studies at an advanced level in the field independently.		
			x					x				X	2. Take responsibility both as a team member and individually in order to solve unexpected complex problems faced within the implementations in the field.		
								x				X	3. Planning and managing activities towards the development of subordinates in the framework of a project.		
COMPETENCE	LEARNING COMPETENCE		x	x				x					1. Evaluate the knowledge and skills acquired at an advanced level in the field with a critical approach.	LEARNING COMPETENCE	COMPETENCE
		x								x x			2. Determine learning needs and direct the learning.		
		x	x	x							x	x	3. Develop positive attitude towards lifelong learning.		
			x	x		x									
			x				x								
			x	x											
	Communication and Social Competence												1. Inform people and institutions, transfer ideas and solution proposals to problems in written and orally on issues in the field.	Communication and Social Competence	COMPETENCE
									x				2. Share the ideas and solution proposals to problems on issues in the field with professionals and non-professionals by the support of qualitative and quantitative data.		
													3. Organize and implement project and activities for social environment with a sense of social responsibility.		
									x				4. Monitor the developments in the field and communicate with peers by using a foreign language at least at a level of European Language Portfolio B1 General Level.		

			x	x		x		x					5. Use informatics and communication technologies with at least a minimum level of European Computer Driving License Advanced Level software knowledge.		
	FIELD-SPECIFIC COMPETENCE										x x		1. Act in accordance with social, scientific, cultural and ethic values on the stages of gathering, implementation and release of the results of data related to the field.		
				x	x						x		2. Possess sufficient consciousness about the issues of universality of social rights, social justice, quality, cultural values and also, environmental protection, worker's health and security.		
				x											